

Fertilizers and Chemicals Applied: 2007 and 2002¹

Chemicals used to control - Diseases in crops and orchards

Geography	Land Area in Square Miles ²	2007 Acres Treated	2007 Square Miles Treated ³	% of Land Area Treated ⁴	2002 Acres Treated	2002 Square Miles Treated ³	% of Land Area Treated ⁴	% of Increase or Decrease ⁵
Adair County	567	1,775	3	0.49%	-	---	---	---
Andrew County	436	1,406	2	0.50%	(D)	---	---	---
Atchison County	560	5,011	8	1.40%	598	1	0.17%	1.23%
Audrain County	692	3,390	5	0.77%	(D)	---	---	---
Barry County	773	214	0	0.04%	(D)	---	---	---
Barton County	597	4,480	7	1.17%	4,218	7	1.10%	0.07%
Bates County	849	565	1	0.10%	2,767	4	0.51%	-0.41%
Benton County	729	50	0	0.01%	20	0	0.00%	0.01%
Bollinger County	621	3,410	5	0.86%	24	0	0.01%	0.85%
Boone County	687	807	1	0.18%	492	1	0.11%	0.07%
Buchanan County	409	2,054	3	0.78%	563	1	0.22%	0.57%
Butler County	698	25,912	40	5.80%	3,925	6	0.88%	4.92%
Caldwell County	431	2,575	4	0.93%	9	0	0.00%	0.93%
Callaway County	842	368	1	0.07%	638	1	0.12%	-0.05%
Camden County	641	-	---	---	-	---	---	---
Cape Girardeau County	577	10,020	16	2.71%	(D)	---	---	---
Carroll County	695	2,191	3	0.49%	266	0	0.06%	0.43%
Carter County	509	-	---	---	-	---	---	---
Cass County	702	7,263	11	1.62%	(D)	---	---	---

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Cedar County	471	7	0	0.00%	600	1	0.20%	-0.20%
Chariton County	758	5,798	9	1.20%	474	1	0.10%	1.10%
Christian County	564	(D)	---	---	233	0	0.06%	---
Clark County	507	197	0	0.06%	1,007	2	0.31%	-0.25%
Clay County	403	241	0	0.09%	598	1	0.23%	-0.14%
Clinton County	423	2,764	4	1.02%	1,824	3	0.67%	0.35%
Cole County	392	117	0	0.05%	(D)	---	---	---
Cooper County	566	950	1	0.26%	(D)	---	---	---
Crawford County	744	(D)	---	---	-	---	---	---
Dade County	491	668	1	0.21%	-	---	---	---
Dallas County	543	46	0	0.01%	(D)	---	---	---
Daviess County	568	2,637	4	0.73%	90	0	0.02%	0.70%
DeKalb County	425	646	1	0.24%	-	---	---	---
Dent County	755	68	0	0.01%	-	---	---	---
Douglas County	814	8	0	0.00%	-	---	---	---
Dunklin County	547	46,005	72	13.14%	10,041	16	2.87%	10.27%
Franklin County	922	556	1	0.09%	1,514	2	0.26%	-0.16%
Gasconade County	521	667	1	0.20%	(D)	---	---	---
Gentry County	493	1,708	3	0.54%	(D)	---	---	---

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Greene County	678	177	0	0.04%	-	---	---	---
Grundy County	437	2,739	4	0.98%	8	0	0.00%	0.98%
Harrison County	725	1,616	3	0.35%	3,000	5	0.65%	-0.30%
Henry County	729	369	1	0.08%	10	0	0.00%	0.08%
Hickory County	411	9	0	0.00%	-	---	---	---
Holt County	456	14,602	23	5.00%	-	---	---	---
Howard County	464	1,007	2	0.34%	(D)	---	---	---
Howell County	927	28	0	0.00%	-	---	---	---
Iron County	552	5	0	0.00%	18	0	0.01%	0.00%
Jackson County	611	847	1	0.22%	238	0	0.06%	0.16%
Jasper County	641	621	1	0.15%	1,435	2	0.35%	-0.20%
Jefferson County	668	238	0	0.06%	31	0	0.01%	0.05%
Johnson County	834	1,025	2	0.19%	33	0	0.01%	0.19%
Knox County	507	1,370	2	0.42%	-	---	---	---
Laclede County	770	161	0	0.03%	108	0	0.02%	0.01%
Lafayette County	632	4,621	7	1.14%	1,080	2	0.27%	0.88%
Lawrence County	614	858	1	0.22%	23	0	0.01%	0.21%
Lewis County	508	720	1	0.22%	-	---	---	---
Lincoln County	627	814	1	0.20%	272	0	0.07%	0.14%

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Linn County	620	729	1	0.18%	(D)	---	---	---
Livingston County	537	688	1	0.20%	(D)	---	---	---
McDonald County	541	273	0	0.08%	-	---	---	---
Macon County	797	859	1	0.17%	(D)	---	---	---
Madison County	497	(D)	---	---	-	---	---	---
Maries County	528	(D)	---	---	-	---	---	---
Marion County	438	2,266	4	0.81%	-	---	---	---
Mercer County	454	(D)	---	---	-	---	---	---
Miller County	593	415	1	0.11%	-	---	---	---
Mississippi County	410	63,079	99	24.04%	5,645	9	2.15%	21.89%
Moniteau County	417	169	0	0.06%	(D)	---	---	---
Monroe County	670	1,691	3	0.39%	-	---	---	---
Montgomery County	540	293	0	0.08%	431	1	0.12%	-0.04%
Morgan County	594	48	0	0.01%	137	0	0.04%	-0.02%
New Madrid County	679	61,707	96	14.20%	8,581	13	1.97%	12.23%
Newton County	627	593	1	0.15%	50	0	0.01%	0.14%
Nodaway County	875	8,140	13	1.45%	(D)	---	---	---
Oregon County	792	25	0	0.00%	7	0	0.00%	0.00%
Osage County	606	15	0	0.00%	-	---	---	---

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Ozark County	731	26	0	0.01%	994	2	0.21%	-0.21%
Pemiscot County	517	48,458	76	14.65%	820	1	0.25%	14.40%
Perry County	473	2,660	4	0.88%	(D)	---	---	---
Pettis County	686	1,913	3	0.44%	-	---	---	---
Phelps County	674	99	0	0.02%	8	0	0.00%	0.02%
Pike County	673	1,570	2	0.36%	1,660	3	0.39%	-0.02%
Platte County	421	2,987	5	1.11%	(D)	---	---	---
Polk County	642	41	0	0.01%	81	0	0.02%	-0.01%
Pulaski County	551	(D)	---	---	-	---	---	---
Putnam County	520	1,423	2	0.43%	-	---	---	---
Ralls County	481	546	1	0.18%	-	---	---	---
Randolph County	473	1,081	2	0.36%	335	1	0.11%	0.25%
Ray County	568	1,565	2	0.43%	1,380	2	0.38%	0.05%
Reynolds County	808	14	0	0.00%	-	---	---	---
Ripley County	632	1,328	2	0.33%	1,460	2	0.36%	-0.03%
Saint Charles County	558	224	0	0.06%	410	1	0.11%	-0.05%
Saint Clair County	698	566	1	0.13%	-	---	---	---
Sainte Genevieve County	504	635	1	0.20%	131	0	0.04%	0.16%
Saint Francois County	451	31	0	0.01%	-	---	---	---

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Saint Louis County	505	1,359	2	0.42%	477	1	0.15%	0.27%
Saline County	755	5,493	9	1.14%	(D)	---	---	---
Schuyler County	308	299	0	0.15%	28	0	0.01%	0.14%
Scotland County	439	1,533	2	0.55%	(D)	---	---	---
Scott County	423	18,814	29	6.95%	(D)	---	---	---
Shannon County	1,004	(D)	---	---	-	---	---	---
Shelby County	501	6,267	10	1.95%	-	---	---	---
Stoddard County	815	60,089	94	11.52%	3,662	6	0.70%	10.82%
Stone County	451	24	0	0.01%	-	---	---	---
Sullivan County	651	527	1	0.13%	-	---	---	---
Taney County	608	5	0	0.00%	(D)	---	---	---
Texas County	1,180	(D)	---	---	-	---	---	---
Vernon County	837	2,493	4	0.47%	2,176	3	0.41%	0.06%
Warren County	429	426	1	0.16%	259	0	0.09%	0.06%
Washington County	762	(D)	---	---	55	0	0.01%	---
Wayne County	763	(D)	---	---	-	---	---	---
Webster County	594	22	0	0.01%	-	---	---	---
Worth County	266	84	0	0.05%	160	0	0.09%	-0.04%
Wright County	682	134	0	0.03%	(D)	---	---	---

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Saint Louis City ^⑥	61	---	---	---	---	---	---	---
Statewide	69,709	470,445	735	1.05%	71,721	112	0.16%	0.89%

PRIMARY DATA SOURCE: 2007 Census of Agriculture, United States Department of Agriculture (USDA), National Agricultural Statistics Service (NASS): Missouri State and County Data, Volume 1, Geographic Area Series, Part 25, [AC-07-A25], Table 42: Issued February 2009, Updated December 2009

^① 2002 data are based on a sample of farms

^② Land Area in Square Miles value is obtained from the Missouri Secretary of State's Missouri Roster

^③ Square Miles Treated value is obtained by calculating Acres Treated value * 0.0015625

^④ % of Land Area Treated value is obtained by calculating Square Miles Treated value/Land Area in Square Miles value

^⑤ % of Increase or Decrease value is obtained by calculating 2002 % of Land Area Treated Value -2007 % of Land Area Treated Value

^⑥ The USDA/NASS census definition of a farm is any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year. The definition is consistent with the definition used for current USDA surveys and was first used for the 1974 *Census of Agriculture*; and has been used in each subsequent agriculture census. St. Louis City does not contain any property(ies) that currently meet this definition per USDA.

(D) Withheld to avoid disclosing data for individual farms, per USDA/NASS.